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SECURITY INFORMATION

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German Democratic Republic

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DESCRIPTION AND SPECIFICATIONS OF THE HK 0801 HALF-TRACK VEHICLE (5 pp; German; 51)

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This document consists of a report on the HK 0801 half-track vehicle, produced by the Schoenebeck Plant of the IFA (Federation of People-Owned Plants for Vehicle Construction), giving technical specifications and a detailed description of the vehicle.

For example, the vehicle can haul a load of 8 tons; its maximum speed is 50 kilometers per hour on a road and 20 kilometers cross-country; it has a 300-kilometer cruising radius; its climbing capacity on loose sand is 12 degrees with a load and 24 degrees without a load; and its fuel consumption amounts to 70 liters per 100 kilometers on a road and to 50 liters per hour cross-country. Its total weight, empty but equipped and fuelled, is 10,000 kilograms, and 12,000 kilograms when manned with 15 men plus 500 kilograms [of equipment]. Over-all length of the vehicle is 6.7 meters and over-all width 2.4 meters. The vehicle is equipped with a Type SM 4 - 17 diesel engine with turbulent combustion chamber. It is equipped with a 75-meter cable, 12 millimeters in diameter, which can pull 3,000 kilograms. Cable winding speed is 20 meters per minute.

More detailed data is given on the weight of individual sections of the vehicle, measurements, engine specification and performance, and its speed in the various gears. In addition, a detailed description is given of the front axle, engine, clutch, gear, driving wheels, bogies, track rollers, tracks, and body, as well as of the method of engine starting and steering.

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